

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0007		3. EFFECTIVE DATE 26-Nov-2003		4. REQUISITION/PURCHASE REQ. NO. W81G67-3036-4923		5. PROJECT NO.(If applicable) DACW37-03-B-0007	
6. ISSUED BY CONTRACTING DIVISION USACE - ST. PAUL 190 5TH STREET E ST. PAUL MN 55101		CODE W912ES		7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACW37-03-B-0007	
				X		9B. DATED (SEE ITEM 11) 03-Sep-2003	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The new bid opening date is chaged to 04 December 2003 at 2:00 PM Local Time This amendment adds five soil boring drawings which should have been incorporated in Amendment 0006 and are attached at the end of this amendment.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 26-Nov-2003	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

1. The required bid opening date/time has changed from 02-Dec-2003 02:00 PM to 04-Dec-2003 02:00 PM.
2. Soil Boring drawings are attached to the end of this amendment.

(End of Summary of Changes)

DRILLING LOG		DIVISION	INSTALLATION	SHEET
MVD			St. Paul Dist.	2
1. PROJECT		10. SIZE AND TYPE OF BIT		
E. Grand Forks, MN		11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		
2. LOCATION (Coordinates or Station)		12. MANUFACTURER'S DESIGNATION OF DRILL		
3. DRILLING AGENCY		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		
4. HOLE NO. (As shown on drawing title and file number)		DISTURBED		
5. NAME OF DRILLER		UNDISTURBED		
6. DIRECTION OF HOLE		14. TOTAL NUMBER CORE BOXES		
<input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER		
7. THICKNESS OF OVERBURDEN		16. DATE HOLE		
8. DEPTH DRILLED INTO ROCK		STARTED		
9. TOTAL DEPTH OF HOLE		COMPLETED		
		17. ELEVATION TOP OF HOLE		
		18. TOTAL CORE RECOVERY FOR BORING		
		19. SIGNATURE OF INSPECTOR		
		Grant Riddle		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
801.6	10.0	c	d	e	f	g
			(Alluvium)	2x2 1/2		6) Set 3" #5A to 15.0'
			CL	P		
			Silty Clay	O		
			M. stiff	U	#3	LL = 42
			Mod. Plasticity	N	13.0	PL = 20
			Moist to Wet	D	13.5	MC = 29
			BRN			PI = 22
			80% clay			% clay = 16%
			20% silt			
			- scat. organics -	R 2.0 T 13.0		
			- rare f. sand in pockets -	SPT 3		
				4		
				3		
				5		
				R 2.0 T 15.0		LL = 24
				2x2 1/2		PL = 16
				P	#4	MC = 27
				O	18.0	PI = 7
				U	18.5	% clay = 7%
				N		
				D		
				R 3.0 T 18.0		7) Backfill Boring
				SPT 1		Pour 3/8-inch Bent, chips from G.S.
				2		
				1		
				2		
				R 2.0 T 20.0		
791.6	20.0		END OF BORING			

DRILLING LOG						VISION		Hole No.
							MVD	
1. PROJECT E. GRAND FORKS, MN								INSTALLATION St. Paul District SHEET OF 3 SHEETS
2. LOCATION (Coordinates or Station) See Drawing pg. 3								10. SIZE AND TYPE OF BIT 3" HSA
3. DRILLING AGENCY Interstate Drilling L.L.C.								11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD 1929 Adj.
4. HOLE NO. (As shown on drawing title and file number) Hartsville borrow #16								12. MANUFACTURER'S DESIGNATION OF DRILL CME SS
5. NAME OF DRILLER Dan Koyen								13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN DISTURBED UNDISTURBED 4 Jan —
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.								14. TOTAL NUMBER CORE BOXES —
7. THICKNESS OF OVERBURDEN —								15. ELEVATION GROUND WATER 796.4'
8. DEPTH DRILLED INTO ROCK 0.0'								16. DATE HOLE STARTED COMPLETED 2-14-03 2-14-03
9. TOTAL DEPTH OF HOLE 20.0'								17. ELEVATION TOP OF HOLE 814.29' 18. TOTAL CORE RECOVERY FOR BORING % 19. SIGNATURE OF INSPECTOR Grant Rollé
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g		
814.3	0.0	c	(Alluvium) Silty clay m. stiff mod. Plasticity Moist BRN	Drill	#1 3.0 — 3.5	Notes: 1) SPT = 140 # @ 30' Drop Auto Hammer Used LL=49 PL=22 MC=26 PI=27		
811.3	3.0	OUT	CH / CL	OUT T.S.D		2) Boring Located e N 53° 08' 18"E 649821 NAD-83 UTM % clay = 14%		
809.3	5.0	CH / CL	80% clay 20% silt scat. organics	SPT 4		3) Water Level Set 3" ASA to 20.0'; then withdraw; Hole open to 19.1'		
	6.0			P O UN D		Time Depth 1330 Dry		
	7.0	CA CL		R.I. 2 T.S.D 2x2 1/2		2-15-03 1420 17.9'		
	8.0		LL=47 PL=20 MC=24 PI=28 % clay = 23%	SPT 3		Hole open to 18.7'		
	9.0			SH#2 R.I. 2 T.S.D 8.0 8.5		4) Set 3" ASA to 5.0'		
804.3	10.0			7 R.I. 2 T.S.D		5) Set 3" ASA to 10.0'		

DRILLING LOG		VISION MVD		INSTALLATION St. Paul Dist.		SHEET 2 OF 3 SHEETS	
1. PROJECT E. GRAND FORKS, MN				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station)				11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY				12. MANUFACTURER'S DESIGNATION OF DRILL			
4. HOLE NO. (As shown on drawing title and file number)				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED	
5. NAME OF DRILLER				14. TOTAL NUMBER CORE BOXES		UNDISTURBED	
6. DIRECTION OF HOLE <input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER		16. DATE HOLE	
7. THICKNESS OF OVERBURDEN				17. ELEVATION TOP OF HOLE		STARTED	
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING		COMPLETED	
9. TOTAL DEPTH OF HOLE				19. SIGNATURE OF INSPECTOR Grant Roloff			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
804.3	10.0					
	11.0		(CH)	2x2 1/2		6) Set 3" HSA to 15.0'
	12.0	CH	(Alluvium) Silty clay m. stiff mod. plasticity moist BRN 70% clay 30% silt Trace v.f. sand -scat. organics-	P O U N D	#3 13.0 13.5	LL= 33 PL= 15 MC= 23 PI= 18 % clay = 17%
	13.0			R 3.0 T 13.0	SPT 3	
	14.0			3		LL= 31 PL= 15 MC= 22 PI= 16 % clay = 14%
	15.0			4		
	16.0			5 R 2.0 T 15.0	S#4 18.0 18.5	
	17.0	CH		2x2 1/2		7) Backfill BORING Pour 3/8-inch Bent. chips from G.S.
796.4	17.9 18.0		W.L.	P O U N D		
	19.0			R 3.0 T 18.0	SPT 2	
				3		
				4		
794.3	20.0		END OF BORING	5 R 2.0 T 20.0		

DRILLING LOG

VISION

MVD

INSTALLATION

St. Paul District

Hole No.

03-174-M

1. PROJECT

East Grand Forks, MN

10. SIZE AND TYPE OF BIT

3" HSA

2. LOCATION (Coordinates or Station)

See Drawing pg. 3

11. DATUM FOR ELEVATION SHOWN (TBM or MSL)

NQVD 1929 Adj.

3. DRILLING AGENCY

Interstate Drilling L.L.C.

12. MANUFACTURER'S DESIGNATION OF DRILL

CME 55

4. HOLE NO. (As shown on drawing title and file number)

Huntsville Borrow #15

13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN

DISTURBED 4 JARS

UNDISTURBED —

5. NAME OF DRILLER

Don Krugner

14. TOTAL NUMBER CORE BOXES

—

6. DIRECTION OF HOLE

☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.

15. ELEVATION GROUND WATER

796.6'

7. THICKNESS OF OVERBURDEN

—

16. DATE HOLE

STARTED 2-14-03

COMPLETED 2-14-03

8. DEPTH DRILLED INTO ROCK

0.0

17. ELEVATION TOP OF HOLE

807.45'

9. TOTAL DEPTH OF HOLE

20.0'

18. TOTAL CORE RECOVERY FOR BORING

— %

19. SIGNATURE OF INSPECTOR

Guenther

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
807.5	0.8	c	d	e	f	g
		Drill		Drill		Notes:
			CL (CL)			1) SPT = 140 # @ 30"
			(Alluvium)			Drop. Auto Hammer Used.
			Silty Clay		5#1	LL = 37
			M. Stiff		3.0	PL = 17
			Mod. Plasticity		3.5	MC = 20
			Moist			PI = 20
804.5	3.0	OUT	BRN	OUT		2) Boring Located @ N 5308704 E 649813 NAD-83/UTM
		CA	75% clay	SPT	6	% clay = 16%
		CL	25% silt	6		
			Trace v.f. sand	5		
			-scat. organics-	5		
				FS.0		3) Water Level
				2x2 1/2		Set 3" HSA to 15.0', then withdraws.
				P		Hole open to 12.9'
				O		Time Depth
				U		1415 11.3'
			(Approx. Contact)	N		
		CA	(Alluvium) (CA)	D		2-15-03
			Sandy, Silty, Clay			1425 10.9'
			M. Stiff			Hole open to 11.0'
			mod. Plast.	PO.3	5#2	LL = 24
			Wet	FS.0	8.0	PL = 17 % = 24%
			BRN	SPT	8.5	MC = 24
				1		PI = 7
				3		4) Set 3" HSA to 5.0'
			70% clay	2		
			20% silt			
			10% sand	2		5) Set 3" HSA to 10.0'
		CA				
		CL				
799.5	8.0			PO.3		
				FS.0		
				SPT		
				1		
				3		
				2		
				2		
				PO.3		
				FS.0		
797.5	10.0					

ENG FORM 1836

PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT

03-174-M

HOLE NO.

03-174-M

DIVISION

DRILLING LOG

MVD

INSTALLATION

St. Paul District

SHEET 1
OF 3 SHEETS

1. PROJECT

E. GRAND FORKS, MN

2. LOCATION (Coordinates or Station)

See Drawing PG-

3. DRILLING AGENCY

Interstate Drilling L.L.C.

4. HOLE NO. (As shown on drawing title and file number)

Hartsville Borrow
#14

5. NAME OF DRILLER

Dan Kruger

6. DIRECTION OF HOLE

☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.

7. THICKNESS OF OVERBURDEN

8. DEPTH DRILLED INTO ROCK

0.0'

9. TOTAL DEPTH OF HOLE

20.0'

10. SIZE AND TYPE OF BIT 3" HSA

11. DATUM FOR ELEVATION SHOWN (TBM or MSL)

NGVD 1929 Adj.

12. MANUFACTURER'S DESIGNATION OF DRILL

CME 55

13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN

DISTURBED
4 LogsUNDISTURBED
—

14. TOTAL NUMBER CORE BOXES

15. ELEVATION GROUND WATER

798.2'

16. DATE HOLE

STARTED
2-14-03COMPLETED
2-14-03

17. ELEVATION TOP OF HOLE

809.11'

18. TOTAL CORE RECOVERY FOR BORING

%

19. SIGNATURE OF INSPECTOR

Guenther R. B. B.

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
809.1	0.0					
		Drill		Drill		Notes:
	1.0		(Alluvium) (CL)			1) SPT=140 # @ 30"
			Silty, Sandy, Clay			Drop. Auto Hammer Used.
			M. Stiff			LL= 14 PI= 10
			Mod. Plasticity			PL= 24 % clay=
			Moist			MG= 18.4 28%
			Thin-Bedded			2) Boring Located @
			Ben			N 5308613
			65% clay			E 649733
			25% silt			NAD-83/UTM
			10% sand			
806.1	3.0	OUT		OUT		
		CL		T3.0		
				SPT		
				3		
				3		
				3		
				4		3) Water Level
				R1.7		Set 3" HSA to 15.0',
				45.0		then withdraw,
				2x2 1/2		Hole open to 13.1'
				P		
				O		Time Depth
				U		1515 11.0'
				N		2-15-03
				D		1430 10.9'
						Hole open to 11.9'

EGF, Minn. - Phase 3



1. WATER LEVEL DETERMINED AFTER 6.5 HOURS.
DRILL OFFSET HOLE WITH SOLID STEM AUGER
TO EL. 786.7', THEN WITHDRAW.
HOLE OPEN TO EL. 793.1'.
2. HOLLOW STEM AUGER SET TO EL. 733.7'.
3. HOLE BACKFILLED WITH TREMIED CEMENT-
BENTONITE GROUT.